

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	(second AND "early decision").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 14:51
S1	1	"10/396118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 08:40
S2	1	10/797254	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/30 20:36
S3	2	10/844803	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 09:56
S4	3	detector with "early decision output"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:43
S5	0	detector with ((early adj decision) near second)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:01
S6	1	detector with ((early adj decision) with second)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:01

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S7	24	detector with "early decision"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:26
S8	2	"6246723".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:26
S9	0	detector and "early decision" and ("decision-driven control loop" or DDCL)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:28
S10	0	detector and "early decision" and ("decision driven control loop" or DDCL)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:27
S11	58	("decision-driven control loop" or DDCL)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:28
S12	0	("decision-driven control loop")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:28
S13	0	("decision driven control loop")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:28

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S14	4	(6,934,345 6,604,124).pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:43
S15	3	detector same "early decision output"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:44
S16	3	detector and "early decision output"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:44
S17	4	"early decision output"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:44
S18	213	"early decision"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 11:21
S19	1	"second early decision"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:45
S20	2	"secondary early decision"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:44

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S21	7	second with "early decision"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:46
S22	9	second\$3 with "early decision"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 10:45
S23	38	second same "early decision"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 14:51
S24	1528	375/345	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 13:49
S25	1	S18 and S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 13:49
S26	1252	714/795	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 13:49
S27	1555	375/265	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 13:49

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S28	6	S18 and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 13:49
S29	5	S18 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 13:53
S30	2	"20020039395".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 14:00

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IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

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Broadcasting, IEEE Transactions on  
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 Digital Object Identifier 10.1109/11.948267  
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 O'Boyle, M.; Stohr, E.;  
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Control Theory and Applications, IEE Proceedings D [see also IEE Proceeding and Applications]  
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- ☐ 5. **The PRESTIGE workbench: CASE support for the implementation phase**  
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6. **An impedimetric sensor for monitoring the growth of Staphylococcus epi**  
Oliver, L.M.; Dunlop, P.S.M.; Byrne, J.A.; Blair, I.S.; Boyle, M.; McGuigan, K.G.  
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Agakov, F.; Bonilla, E.; Cavazos, J.; Franke, B.; Fursin, G.; O'Boyle, M.F.P.; Ti  
Toussaint, M.; Williams, C.K.I.;  
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Wheeland, C.; Boyle, M.; Kirshner, M.; Wilsen, C.; Cipolla, J.; Malcolm, C.;  
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Vlasov, Yu.A.; Dulkeith, E.; Sekaric, L.; Assefa, S.; O'Boyle, M.; McNab, S.J.;  
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11. **Compiler directed early register release**  
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- 13. **Software directed issue queue power reduction**  
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- 14. **Development of a Megawatt-class multi-beam inductive output tube**  
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- 15. **Combining program recovery, auto-parallelisation and locality analysis for  
on multi-processor embedded systems**  
 Franke, B.; O'Boyle, M.F.P.;  
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- 16. **The effect of temporal pulse shaping in ultrafast laser ablation of dielectric materials**  
 Stoian, R.; Boyle, M.; Thoss, A.; Rosenfeld, A.; Korn, G.; Hertel, I.V.;  
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- 17. **Switched Viterbi equalisation of dynamic channels and a degenerative error correction code**  
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[EUROCON'2001, Trends in Communications, International Conference on](#)  
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- 18. **A catastrophic error mode in adaptive predictive DFE equalisation of dynamic channels**  
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- 19. **Processing of dielectric materials with shaped, ultrashort pulses and THz radiation**  
 Stoian, R.; Boyle, M.; Thoss, A.; Rosenfeld, A.; Ashkenasi, D.; Korn, G.; Hertel, I.V.;  
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20. **Amplitude and phase shaping in a high average power 1 kHz CPA-laser**  
Boyle, M.; Thoss, A.; Zhavaronkov, N.; Korn, G.; Kaplan, D.; Oksenhendler, T.  
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O'Boyle, M.F.P.; Knijnenburg, P.M.W.;  
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O'Boyle, M.F.P.; Knijnenburg, P.M.W.;  
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24. **Compiling multimedia applications on VLIW architecture**  
Sakellariou, R.; Stohr, E.A.; O'Boyle, M.F.P.;  
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25. **Optical limiting materials in the high-fluence regime**  
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2-7 June 1996 Page(s):178  
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...of a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at 3xsymbol rate). The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...  
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**Hindie, Amir / Leinfelder, Karl, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Sep 2003**  
...of a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at 3xsymbol rate). The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...  
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- ☐ **11. Synchronization techniques using an interpolation filter**  
**Long, Guozhu / Beaney, Jim, UNITED STATES PATENT AND TRADEMARK OFFICE**  
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...of a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at 3×symbol rate). The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...  
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**Hindie, Amir / Leinfelder, Karl, UNITED STATES PATENT AND TRADEMARK OFFICE**  
**GRANTED PATENT, Apr 2003**  
...of a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at 3×symbol rate) The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...  
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...a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at 3× symbol rate) . The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...  
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- ☐ **14. Modem using a digital signal processor and a signal based command set**  
**Hindie, Amir / Leinfelder, Karl, UNITED STATES PATENT AND TRADEMARK OFFICE**  
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...of a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at 3× symbol rate). The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...  
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- ☐ **15. MODEM WITH CODE EXECUTION ADAPTED TO SYMBOL RATE**  
**HINDIE, AMIR / LEINFELDER, KARL, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Nov 2002**  
...of a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at 3× symbol rate). The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...  
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- ☐ **16. MODEM USING BATCH PROCESSING OF SIGNAL SAMPLES**  
**HINDIE, AMIR / LEINFELDER, KARL, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Sep 2002**

...of a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at  $3 \times$  symbol rate). The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...

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**LINDQVIST, Dan, Anders / SAHLMAN, Karl-Gösta, Emanuel / STERLING, Jacob, Kristian, PATENT COOPERATION TREATY APPLICATION, Apr 2001**

...dynamic range of the receiver by utilising Automatic Gain Control (**AGC**). The receiver comprises a variable gain amplifier controlled...might not be valid for the signal sample received afterwards. The **AGC**-technique, which is a feedback technique introduces delay in the...

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- ☐ **18. Multi-modem implementation with host based and digital signal processor based modems**

**Pearce, David / Smith, Wesley / Nordling, Karl / Hindie, Amir / Leinfelder, Karl / Gracias, Sebastian / Beaney, Jim, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Aug 2002**


...of a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at  $3 \times$  symbol rate). The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...

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**Smith, Wesley / Nordling, Karl / Hindie, Amir / Leinfelder, Karl / Gracias, Sebastian / Beaney, Jim, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Jul 2002**


...of a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at  $3 \times$  symbol rate). The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...

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- ☐ **20. System for dedicating a host processor to running one of a plurality of modem programs and dedicating a DSP to running another one of the modem programs**

**Pearce, David / Smith, Wesley / Nordling, Karl / Hindie, Amir / Leinfelder, Karl / Gracias, Sebastian / Beaney, Jim, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Apr 2002**

...a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at  $3 \times$  symbol rate). The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...

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**HINDIE, AMIR / LEINFELDER, KARL, UNITED STATES PATENT AND TRADEMARK**  
**OFFICE PRE-GRANT PUBLICATION, Aug 2001**

...of a receiver shown in FIG. 8. The receiver de-modulates the received samples to the base-band (still at 3x symbol rate). The **AGC** (1000) produces a near constant signal power by tracking the gain of the channel. The gain is tracked by comparing the received...

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...all of memory in one go. Horrid. 6. banked memory: Switch between several banks of memory via some out-of-band signal. E.g. PC **VGA** cards/80286 Expanded Memory. Very, very horrid. 7. Fundamental density/latency tradeoff 8. New high clock rate synchronous interfaces...

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- ☐ 8. [Sampled amplitude read channel employing early-decisions from a trellis sequence detector for sampling value estimation](#)

**Bliss, William G. / Reed, David E. / Vis, Marvin L. / Feyh, German S., UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT**, Jun 2001

...metric is selected as the output for the **early-decision**. This embodiment is illustrated in...significantly impacts the accuracy of the **early-decision**. For an EPR4 trellis sequence detector...location within the path memories the **early-decision** is taken when the accumulated error...

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**Buchwald, Aaron W. / Wakayama, Myles / Le, Michael / Van Engelen, Josephus / Jiang, Xicheng / Wang, Hui / Baumer, Howard A. / Madisetti, Avanindra, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION**, Jul 2003

...derives as the phase error signal an **Early decision** signal indicating the phase of sampling...detector 312 produces a series of such **Early decision** signals over time while the phase of...series of randomly alternating Late and **Early decision** signals over time while sampling signal...


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**MADISETTI, Avanindra, PATENT COOPERATION TREATY APPLICATION**, Nov 2001

A high-speed serial data transceiver includes multiple receivers and transmitters for receiving and transmitting multiple analog, serial data signals at multi-gigabit-per-second data rates. Each receiver includes a timing recovery system for tracking a ...

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**Buchwald, Aaron W. / Wakayama, Myles / Le, Michael / Van Engelen, Jurgen / Jiang, Xicheng / Wang, Hui / Baumer, Howard A. / Madisetti, Avanindra, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT**, Jan 2003


...derives as the phase error signal an **Early decision** signal indicating the phase of sampling...detector 312 produces a series of such **Early decision** signals over time while the phase of...series of randomly alternating Late and **Early decision** signals over time while sampling signal...

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**Buchwald, Aaron W. / Le, Michael / Engelen, Josephus Van / Jiang, Xicheng / Wang, Hui / Baumer, Howard A. / Madisetti, Avanindra, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Apr 2002**

...derives as the phase error signal an **Early decision** signal indicating the phase of sampling...detector 312 produces a series of such **Early decision** signals over time while the phase of...series of randomly alternating Late and **Early decision** signals over time while sampling signal...

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**Buchwald, Aaron W. / Wakayama, Myles / Le, Michael / Engelen, Josephus Van / Jiang, Xicheng / Wang, Hui / Baumer, Howard A. / Madisetti, Avanindra, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Apr 2002**

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**Buchwald, Aaron W. / Wakayama, Myles / Le, Michael / Engelen, Josephus van / Jiang, Xicheng / Wang, Hui / Baumer, Howard A. / Madisetti, Avanindra, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Apr 2002**

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